Final Bill

Total (49894.00)

M. A. R. 57 (Rule 116)

Measurement Book

No. D 58549

Serial No. Improvements to roads and drains at Kalooraya Nagara in

Name of work Ward No.14 Bagalkot From .... To ....

Name of Contractor of nature of Agency Technical manager KRIDL

Date of commencement of work

Date 1	Full description, etc. of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimated cost : 50.00 lakhs.						
	Job code :- 014-18 00095			P code - 1878			
	A.A. No :- EE(DD)/AS/208/17-18 Dt. 21/10/2017						
	T.S No :- CE(DZ)/TS/244/17-18 Dt. 31/10/2017						
	W.O. No :- EE(DD) WO/78/2017-18. Dt. 26/11/2017						
	② Earthwork excavation for road, drain, Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m, excavated surface levelled						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and sides neatly dressed the disposed earth to be levelled and neatly after breaking of clods complete as per specifications As per premeasurement Qty recorded in this MB at Pg no. 58503/2 vide item no ⑥ i.e. Qty limited to @ Rate of 86.92/cum					759.24 cum 757.60 cum	= ₹ 65851/-
⑦	providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 200 kgs, with 40 mm and downsize graded granite metal coarse aggregate @ 0.85 cum and fine aggregate @ 0.57 cum machine mixed, concrete laid in layers.						

M. A. R. 57 (Rule 116) **No. D** 53550

Measurement Book

Serial No. ....
Name of work .... From .... To ....
Name of Contractor of nature of Agency..........
Date of commencement of work..........

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	not exceeding 15 cms. thick well compacted in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. As per premeasurement Qty recorded in the MB at Pg. no. 58584 vide item No - ⑦ - i.e. Qty limited to. @ Rate of 5159.02/cum					59.35 cum 53.64 cum	= ₹ 276730/-
⑧	providing and removing centering, shuttering, strutting, propping etc., and removal of formwork for vertical surfaces such as walls of any thickness including						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	attached pilasters, bulkheads, plinth and string course cast-in-all mod. excl. labour complete as per Specifications. As per premeasurement Qty recorded in this MB at Pg. 58585/2 vide item no. ③ i.e. @ Rate ₹ 310.58/sqm					1192.00 sqm	= ₹ 370211/-
	④ Design mix M20 with OPC cement @ 320 kgs with 20mm and downsize graded granite metal coarse aggregate @ 0.69 cum and fine aggregate @ 0.46 cum, with super plasticiser @ 3 ltrs conforming to IS 9103-1999. upto 5m height complete as per specification. As per premeasurement Qty recorded 6						

M. A. R. 57 (Rule 116)
Measurement Book

No. D

58551

Serial No. ....

Name of work .... From .... To ....

Name of Contractor of nature of Agency....................

Date of commencement of work....................

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	this MB at Pg. No-58586/2 vide item No. ④.					116.72 cum	
	Qty limited to					111.75 cum	
	@ Rate ₹ 6965.26/cum						= ₹ 778368/-
	⑤ Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and technical specifications. Complete as per specification. As per premeasurement Qty recorded in this MB at Pg. No. 58585 vide item No ⑤ i.e.					8.98 tonnes	
	Qty limited to					8.86 tonnes	
	@ Rate ₹ 66482.19/ton						= ₹ 589032/-

MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
⑥	Supplying and fixing precast reinforced cement concrete kerb stone including cost of [illegible] as per design and drawing, material and transportation charges of machine [illegible] as ordered [illegible] to get plain even surface etc. complete with all lead and lift, contingencies charges, labour charges including cost of all materials						
	[illegible] road etc	1	60.00	0.80		48.00	
		1	30.00	0.80		24.00	
	do	1	60.00	0.75		45.00	
		1	45.00	0.75		33.75	
	[illegible] road	2	38.00	0.90		68.40	
		2	38.00	0.90		68.40	
				Total qty		284.55 Rm	

M. A. R. 57 (Rule 116) No. 0
Measurement Book

58552

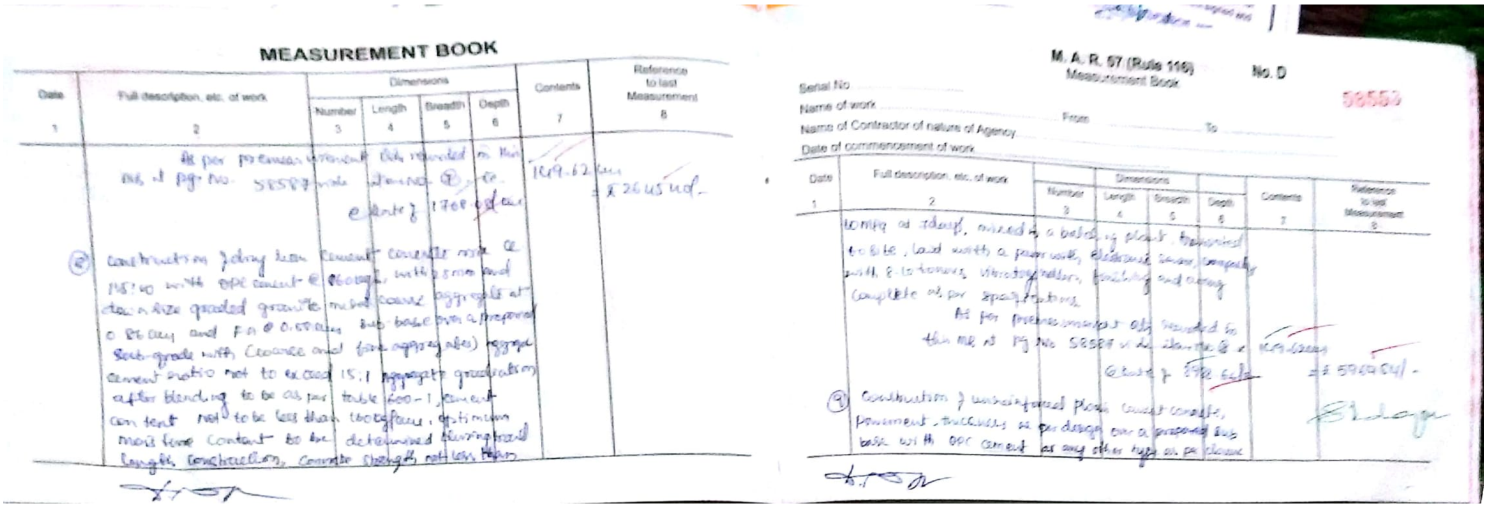
Serial No.

Name of work .... From .... To

Name of Contractor or nature of Agency

Date of commencement of work

Date 1	Full description, etc. of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
			R.F. carried to			365.50 Rm	
		@ Rate of	1698/Rm				Rs [illegible]/-
⑦	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the material with water at plant in mechanical mix plant, carriage of mixed material by tipper to site, laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with vibratory roller and complete as per specification						[illegible]



MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	As per premeasurement data recorded in this MB at pg No. 58587 vide item No. ⑦ × @ Rate of 1708.00/cum					1619.62 cum	= ₹ 2645[illegible]/-
	⑧ Construction of dry lean cement concrete mix @ 1:15:40 with OPC cement @ 160kg/cum, with 25mm and down size graded granite metal coarse aggregate at 0.86 cum and FA @ 0.57 cum sub base over a prepared sub-grade with coarse and fine aggregates) aggregate cement ratio not to exceed 15:1 aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not less than						

M. A. R. 57 (Rule 116)
Measurement Book

No. D 58553

Serial No ....
Name of work .... From .... To ....
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc. of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	10 MPa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacted with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. As per premeasurement data recorded in this MB at Pg No 58587 vide item No ⑧ × 1619.62 cum @ Rate of [illegible]						= ₹ 5980[illegible]/-
	⑨ Construction of unreinforced plain cement concrete pavement, thickness as per design over a prepared sub base with OPC cement or any other type as per clause						

MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1057.3.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates with Superplasticizer @ 3 ltr conforming to IS 9103-1999 reaffirmed 2008. mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher as per approved mix design laid in approved fixed side form work. spreading the concrete with shovels, [illegible] compacted, using needle, [illegible] and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints. joint filler. separation membrane, sealant primer, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as [illegible] M30. Complete as per Specifications.						

M. A. R. 57 (Rule 116)
Measurement Book

No. D 58554

Serial No. ....
Name of work .... From .... To ....
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ratonayanagar main Rod	1	60.00	3.90	0.15	35.10	
		1	45.00	3.90	0.15	26.32	
		1	40.00	6.00	0.15	36.00	
		1	40.00	6.00	0.15	36.00	
		1	18.00	6.00	0.15	16.20	
	10/3/24			Total Qty		149.62 cum	
		@ Rate of	6217.96/cum				= ₹ 930331.00
	(10) vacuum dewatering with vacuum pump and suction mat and compaction with 80m floaters clubbed with floating disc including cost of generator						

MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item of machinery - based vibratory power floater blade and disc etc. with all lead & lift						
		1	66.00	3.90		257.40	
		1	45.00	3.90		195.50	
		1	40.00	6.00		240.00	
		1	50.00	6.00		300.00	
		1	18.00	6.00		108.00	
				Total Qty =		997.50 Sqm	
	Rate @ ₹ 95.00/Sqm						₹ 95162/-
(11)	providing groove cutting to concrete pavement to width of 5mm to 10mm and depth 50mm - 75mm including cost of cutting machine, generator & cost of machinery including cost of blade, lead etc.						

M. A. R. 57 (Rule 116)
Measurement Book

No. D 58555

Serial No. ....
Name of work .... From .... To ....
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc. of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	including cleaning of groove and providing sand and hot bitumen filler and filler rated clay, including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawings and complete as per specifications.						
		5	3.90			19.50	
		3	3.90			11.70	
		2	6.00			12.00	
		2	6.00			12.00	
		2	6.00			12.40	
				Total Qty =		67.20 Rmt.	

Qty limited to - 65.00 Rmt.
Rs.- 121.90
Rs. 7924=00

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(12) Disposal of debris to the final place of disposal with all lead and lift and the direction by the engineer in charge of the work. lead 4 km Rly vide item no (1) of this work					759.24 cum	
				Rs limited to		757.60 cum	
			@ rate of 85.68/cum				= ₹ 64888/-
	23/3/18			Sub total			= ₹ 4494925/-
		KRIDL, GST, Labour cess (7+3+1)=11%					₹ 494442/-
				Total bill amount			= ₹ 4989367/-

EXECUTIVE ENGINEER
KRIDL

Certified that :-

① The work is done satisfactorily.
② The contractor has removed all debris from work spot.
③ There is no departmental articles made by contractor.

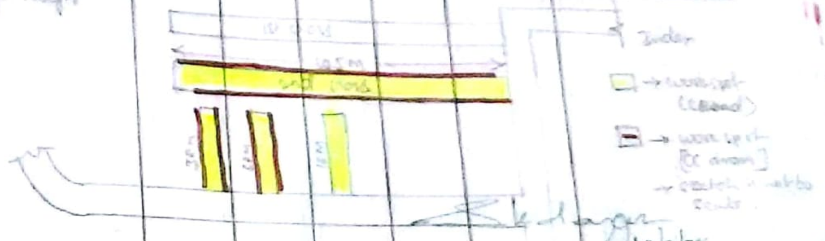
16/2/2018

M. A. R. 57 (Rule 116)
Measurement Book

No. D 58556

Name of work .... From .... To ....
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Kadarayya Nagar						



23/3/18

19/3/2018